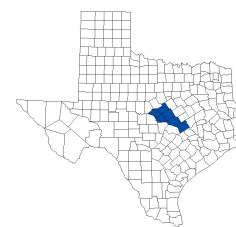


# Texas Cardiovascular Health & Wellness Program

## Texas Department of State Health Services



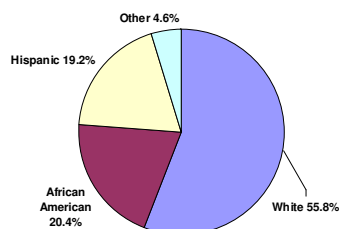
### ST Elevation Myocardial Infarction (STEMI) Facts

#### Texas Trauma Service Area (TSA) L

Updated March 2010

<http://www.dshs.state.tx.us/wellness/data.shtm>

#### Demography of TSA L in 2008 (Estimated Texas Population)



Age	Total	Male	Female	Percent
0-17	113,561	58,059	55,502	26.9
18-29	85,016	46,354	38,662	20.1
30-34	100,066	50,976	49,090	23.7
35-64	85,543	40,785	44,758	20.2
65+	38,377	16,329	22,048	9.1
<b>Total</b>	<b>422,563</b>	<b>212,503</b>	<b>210,060</b>	<b>100.0</b>

#### Prevalence<sup>1</sup> (%) of Heart Attack, Adults (18+ years), 2005 - 2008

#### Heart Attack Age-Adjusted Mortality Rates<sup>2</sup> (per 100,000) 2001- 2006

	TSA L	Texas	TSA L	Texas	TSA L Ages <65	TSA L Ages 65+
<b>Total</b>	3.3	4.5	64.6	69.9	9.6	426.9
<b>Male</b>	4.8	3.6	79.2	86.2	14	470.5
<b>Female</b>	2.1	5.0	53.1	56.8	5.1	394.6
<b>White</b>	3.9	3.8	67	69.2	13.4	442.8
<b>African American</b>	3.7	2.4	58.3	87.0	4.1	357.7
<b>Hispanic</b>	1.0	3.9	50.1	64.9	3.6	305.5

#### Hospital Discharge Data<sup>3</sup> for STEMI, Texas, 2008

	Total		Age <65		Age 65+	
	TSA L	Texas	TSA L	Texas	TSA L	Texas
<b>Number of Discharges</b>	245	11,630	144	6,932	101	4,707
<b>Total Charges</b>	\$12,300,671	\$926,981,129	\$7,167,898	\$544,602,262	\$5,132,773	\$382,378,867

#### Texas EMS/Trauma Registry Data<sup>4</sup> for TSA L by Time (Min), 2007

	TSA L	Texas
<b>Response Time = (Time Call Received - Time EMS Arrived on Scene)</b>	8.5	8.3
<b>Scene Time = (Time EMS Arrived on Scene - Time EMS Departed Scene)</b>	19.0	18.5
<b>Transport Time = (Time EMS Departed Scene - Time EMS Arrived at Destination)</b>	16.8	14.5
<b>Delivery Time = (Time Call Received - Time EMS Arrived at Destination)</b>	46.0	39.7

<sup>1</sup> 2005, 2006, 2007, and 2008 Texas Behavioral Risk Factor Surveillance System, Statewide BRFSS Survey, for Respondents 18 years and older who report that they have been diagnosed as having had a Heart Attack, Myocardial Infarction.

<sup>2</sup> 2001-2006 Texas Department of State Health Services Vital Statistics. Mortality due to Heart Attack (ICD-10 Code I21-I22); Age adjusted to the US 2000 census population

<sup>3</sup> 2008 Texas Health Care Information Council, Inpatient Hospital Discharge Public Use File, for persons all ages. STEMI (ICD-9 Code; 410.0 through 410.6 and 410.8.);

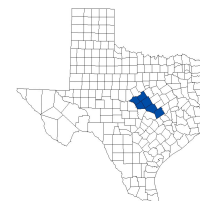
<sup>4</sup> Texas EMS/Trauma Registry Data Selected in 2007. The selection criteria are:

- Calls received during 2007
- Suspected illness types defined as cardiac arrest, cardiac rhythm disturbance, and chest pain/discomfort
- Medical-related calls only (i.e. calls exclusively related to trauma were excluded)
- 911 calls only (no inter-facility transfers)
- Texas residents only

\* Unable to calculate due to small sample size (< 50 respondents).

# Texas Cardiovascular Health & Wellness Program

## Texas Department of State Health Services



### **Heart Attack Facts**

#### **Texas Trauma Service Area (TSA) L**

#### Heart Attack Risk Factors<sup>1</sup>, Texas, 2005, 2006, 2007, 2008

<b>Diabetes</b>	<b>TSA L</b>	<b>Texas</b>	<b>High Blood Cholesterol (2005 &amp; 2007)</b>	<b>TSA L</b>	<b>Texas</b>
Total	9.6	9.0	Total	29.5	36.4
Male	11.3	8.8	Male	28.8	37.0
Female	8.2	9.2	Female	30.0	35.8
White	8.9	8.0	White	29.3	38.2
African American	9.9	12.4	African American	*	32.1
Hispanic	9.6	10.0	Hispanic	*	33.4
<b>Current Smoker</b>	<b>TSA L</b>	<b>Texas</b>	<b>High Blood Pressure (2005 &amp; 2007)</b>	<b>TSA L</b>	<b>Texas</b>
Total	26.5	18.9	Total	27.6	26.1
Male	27.3	22.0	Male	24.3	25.9
Female	25.9	16.0	Female	30.6	26.3
White	31.9	19.7	White	25.2	28.5
African American	13.9	22.6	African American	*	38.5
Hispanic	17.7	16.7	Hispanic	*	19.2
<b>Obesity<sup>2</sup> (BMI≥30)</b>	<b>TSA L</b>	<b>Texas</b>	<b>No Leisure Time Physical Activity<sup>3</sup></b>	<b>TSA L</b>	<b>Texas</b>
Total	23.8	27.7	Total	27.0	28.2
Male	26.3	28.1	Male	23.1	25.4
Female	21.7	27.3	Female	30.0	30.8
White	18.6	24.7	White	28.1	23.6
African American	49.0	38.1	African American	30.7	32.8
Hispanic	21.8	31.8	Hispanic	20.4	35.5

#### Recognition of Heart Attack Symptoms<sup>1</sup> (2005)

<b>Heart Attack Symptoms</b>	<b>% Of Respondents Recognizing Symptoms</b>	
	<b>TSA L</b>	<b>Texas</b>
Pain or discomfort in jaw, neck or back	54.1	39.3
Feeling weak, lightheaded, or faint	60.7	54.1
Chest pain or discomfort	89.8	86.5
Pain or discomfort in the arms or shoulders	80.8	78.4
Shortness of breath	78.3	79.0
<i>Recognizes all heart attack symptoms</i>	13.6	8.9
Would call 911 as a first response if <b>Heart Attack OR Stroke</b> is suspected	85.5	85.1

<sup>1</sup> 2005, 2006, 2007 and 2008 Texas Behavioral Risk Factor Surveillance System, Statewide BRFSS Survey, for Respondents 18 years and older who report that they have been diagnosed with high Blood Pressure, but not during pregnancy; Respondents 18 years and older who report that they have been diagnosed with high Blood Cholesterol; Respondents 18 years and older who report that they have been diagnosed with Diabetes. Does not include gestational diabetes

<sup>2</sup> Obese > 95th Percentile for BMI by Age/Sex <http://apps.nccd.cdc.gov/yrbss/QuestYearTable.asp?ByVar=C1&cat=6&quest=Q80&loc=XX&year=2007>

<sup>3</sup> Recommendation: Physical Activity -Percentage of students who were physically active doing any kind of physical activity that increased their heart rate and made them breathe hard some of the time for a total of at least 60 minutes per day on five or more of the 7 days before the survey  
<http://apps.nccd.cdc.gov/yrbss/QuestYearTable.asp?ByVar=C1&cat=6&quest=Q80&loc=XX&year=2007>

The "\*" indicates that the sample size was not a statistically valid sample size (< 50 respondents).